

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of) Attorney Docket No.: ASAIN0173
Kazuhiko KATSUMATA) Confirmation No. Unknown
Serial No.: Not Assigned) Group Art Unit: Unknown
Filed: December 27, 2005) Examiner: Unknown
For: GAS COOLING TYPE VACUUM) Date: December 27, 2005
HEAT TREATING FURNACE AND)
COOLING GAS DIRECTION)
SWITCHING DEVICE THEREFOR)

INFORMATION DISCLOSURE STATEMENT

MAIL STOP: PCT

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401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this
Information Disclosure Statement in connection with the above-identified application is
being filed in accordance with 37 C.F.R. §1.97(b):

- ☐ within three months of the filing date of this application (not a C.P.A.);
- ☒ within three months of the date of entry of the National Stage;
- ☐ before the mailing date of a first Office Action on the merits; or
- ☐ before the mailing of a first Office Action on the merits of, after the filing of a Request for Continued Examination (RCE) under §1.114.

Attorney Dkt. No. ASAIN0173
Serial No. Not Assigned

A copy of each non-U.S. document identified on the attached Forms PTO/SB/08A and PTO/SB/08B is attached.

Document E relates to Vacuum Heat Treatment. Its relevance is believed to be clear from the present specification. Accordingly, no further comment with regard to the disclosure of this document is believed to be required.

Attached is a copy of the Search Report issued in the corresponding Japanese application. Documents A, B, C, and D are cited herein in said Search Report, it is believed that the relevancy of each document cited is clear from the Search Report. Accordingly, no further comment with regard to the disclosures of these documents is believed to be required.

It is respectfully requested that the attached documents be considered and officially cited, and that the Examiner initial a copy of Forms PTO/SB/08A and PTO/SB/08B, and return them to the undersigned to indicate that the documents have been considered.

It is believed that the present Information Disclosure Statement complies with the requirements of 37 C.F.R. §§ 1.97-8, but should the filing of this paper necessitate a fee, the Director is hereby authorized to charge the necessary fee to Deposit Account No.

50-1281.

Respectfully submitted,

GRIFFIN & SZIPL, PC



Joerg-Uwe Szipl
Registration No. 31,799

GRIFFIN & SZIPL, PC
Suite PH-1
2300 Ninth Street, South
Arlington, VA 22204

Attorney Dkt. No. ASAIN0173
Serial No. Not Assigned

Telephone: (703) 979-5700
Facsimile: (703) 979-7429
E-mail: g&s@szipl.com
Customer No.: 24203

PTO/SB/08A (08-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	Not Assigned
Filing Date	December 27, 2005
First Named Inventor	Kazuhiko KATSUMATA
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	ASAIN0173

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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^o
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	A	JP 11-153386 A	06-08-1999	Ishikawajima-Harima Heavy Industries		✓
	B	JP 5-230528 A	09-07-1993	Daido Steel Co., Ltd.		✓
	C	JP 5-001887 A	01-08-1993	Daido Steel Co., Ltd.		✓
	D	JP 61-15079 A	01-23-1986	Ishikawajima-Harima Heavy Industries		

Examiner Signature		Date Considered	
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Sheet 2

of

2

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Application Number	Unknown 10/562498
Filing Date	December 27, 2005
First Named Inventor	Kazuhiko KATSUMATA
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	ASAIN0173

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	E	Katsuhiro YAMAZAKI, Vacuum Heat Treatment, Heat-Treatment Vol. 1, No. 2, pages 110-115, 1990	
	F	International Search Report (PCT/ISA/210), completed July 1, 2004	

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Date

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